

OBTAINING AN EMERGENCY COA

Obtaining an Emergency COA

- ▣ The addendum request for the ECOA is through an email to the FAA.
- ▣ You'll need to have some information prior to sending the email to the FAA.
- ▣ The info is similar to obtaining a NOTAM, with a few extra items.
- ▣ The request is fill in the blanks and easy to do if you have the info needed.

FAA Requested Information

- ▣ Requestor's name, phone number, and email.
- ▣ Pilot / Observers names and phone numbers.
- ▣ Current COA number.
- ▣ UAS Type.
- ▣ Requested date, time, and location of nearest city / town.
- ▣ Requested altitude and class of airspace.
- ▣ Direction and distance from nearest airport in nautical miles.
- ▣ Location of flight in Lat/Lon in deg, min, sec and distance and radial from nearest VOR in nm.

FAA Requested Information (cont)

Nature of event requested for.

Per the FAA: An emergency UAS COA may be considered when all of the following conditions apply:

(a) A situation exists that is defined as a situation of distress or urgency, where there is, or that has, the extreme possibility of loss of life and

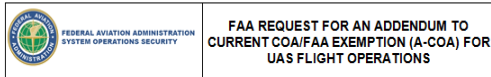
(b) the proponent has determined that manned flight operations cannot be conducted efficiently, and

(c) the proposed UAS is operating under a current approved COA for a different purpose or location.

FAA Requested Information (cont)

- ▣ Pilot qualifications.
- ▣ Do Not fill out page three of the request. It is for FAA use only.

What it looks like



Operators Name, Organization/Agency and Address:

San Diego County Sheriff's Department

Requester's Name, phone number and email:

[Click here to enter text.](#)

Pilots/Observers name and phone number:

[Click here to enter text.](#)

Requester's Current COA / Exemption Number:

2016-WISA-159-COA

UAS TYPE:

DJI Inspire/Phantom 4 with Thermal Imaging

Requested Date(s) of UAS Flight(s):

[Click here to enter text.](#)

Requested Time(s) of UAS Flight(s):

[Click here to enter text.](#)

Location of Requested Flight (Nearest City/Town):

[Click here to enter text.](#)

Requested Altitude(s) for Flight:

[Click here to enter text.](#)

Identify Class of Airspace for Flight:

Ex: Class "D"

Direction and Distance from Nearest Airport:

[Click here to enter text.](#)

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Please list the location of the proposed UAS flight with latitude and longitude (Lat/Lon) submitted in degrees/minutes/seconds format and requested radius in nautical miles for operation.

XX degrees XX min XX seconds N XX degrees XX min XX seconds W

It is X nm from the XXX VOR on the XXX degree radial

1 nm radius

For an extended route of flight the Lat/Lon should represent waypoints along the proposed route, and should include the requested width.

For flight areas with 3 or more bounded sides, the Lat/Lon should represent the vertices of the shape and begin with the most northerly point, traversing clockwise.

EX: XX.XX.XXXN / XXX.XXXXXXW

EX: XX.XX.XXXN / XXX.XXXXXXW

EX: XX.XX.XXXN / XXX.XXXXXXW

Nature of Event A-COA requested for:

- ☐ - Fire
- ☒ - Law Enforcement
- ☐ - Local/National Disaster
- ☐ - Missing Person
- ☐ - Natural Disaster
- ☐ - Other (Please Specify) - [Click here to enter text.](#)
- ☐ - Washington DC Special Flight Rules Area (SFRA)

Pilot Qualifications:

- ☐ - Sport Pilot Certificate
- ☐ - Recreational Pilot Certificate
- ☐ - Commercial Pilot Certificate
- ☐ - Flight Instructor Certificate
- ☐ - Airline Transport Pilot Certificate

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FAA USE ONLY BELOW LINE

ATC Facilities Involved (SOSC Determination)

[Click here to enter text.](#)

SOSC recommended TFR be put in Place:

- ☐ - None
- ☐ - 99.7
- ☐ - 91.137 (a) (1) No person may operate an aircraft within the designated area unless that aircraft is participating in the hazard relief activities and is being operated under the direction of the official in charge of on scene emergency response activities.
- ☐ - 91.137 (a) (2) No person may operate an aircraft... (1) The aircraft is participating in hazard relief activities... (2) The aircraft is carrying law enforcement officials. (3) The aircraft is operating under the ATC approved IFR flight plan. (4) The operation is conducted directly to or from an airport within the area... and is not conducted for the purpose of observing the disaster. (5) The aircraft is carrying properly accredited news representatives... and a flight plan is filed.

Incident Commander's Name, Phone Number and E-mail for Potential TFR:

[Click here to enter text.](#)

ATC Coordination Complete - Who, Date, Time and any Provisions:


[Click here to enter text.](#)

Addendum Completed by (Include Date and Time):

[Click here to enter text.](#)

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Found on the V: drive in UAS folder titled 'SDSO Blank ECOA Request Checklist'

 FEDERAL AVIATION ADMINISTRATION SYSTEM OPERATIONS SECURITY	FAA REQUEST FOR AN ADDENDUM TO CURRENT COA/FAA EXEMPTION (A-COA) FOR UAS FLIGHT OPERATIONS
<u>Operators Name, Organization/Agency and Address:</u>	
San Diego County Sheriff's Department	
<u>Requester's Name, phone number and email:</u>	
Click here to enter text.	
<u>Pilots/Observers name and phone number:</u>	
Click here to enter text.	
<u>Requester's Current COA / Exemption Number:</u>	
20164VSA-159-COA	
<u>UAS TYPE:</u>	
DJI Inspire/Phantom 4 with Thermal Imaging	
<u>Requested Date(s) of UAS Flight(s):</u>	
Click here to enter text.	
<u>Requested Time(s) of UAS Flight(s):</u>	
Click here to enter text.	
<u>Location of Requested Flight (Nearest City/Town):</u>	
Click here to enter text.	
<u>Requested Altitude(s) for Flight:</u>	
Click here to enter text.	
<u>Identify Class of Airspace for Flight:</u>	
Ex: Class "D"	
<u>Direction and Distance from Nearest Airport:</u>	
Click here to enter text.	
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<p>Please list the location of the proposed UAS flight with latitude and longitude (Lat/Lon) submitted in <u>degrees/minutes/seconds</u> format and requested radius in nautical miles for operation. XX degrees XX min XX seconds N XX degrees XX min XX seconds W It is X nm from the XXX VOR on the XXX degree radial 1 nm radius</p> <p>For an extended route of flight the Lat/Lon should represent waypoints along the proposed route, and should include the requested width.</p> <p>For flight areas with 3 or more bounded sides, the Lat/Lon should represent the vertices of the shape and begin with the most northerly point, traversing clockwise. Ex: XX.XX.XXXN / XXX.XX.XXXW Ex: XX.XX.XXXN / XXX.XX.XXXW Ex: XX.XX.XXXN / XXX.XX.XXXW</p> <p><u>Nature of Event A-COA requested for:</u></p> <ul style="list-style-type: none"><input type="checkbox"/> - Fire<input checked="" type="checkbox"/> - Law Enforcement<input type="checkbox"/> - Local/National Disaster<input type="checkbox"/> - Missing Person<input type="checkbox"/> - Natural Disaster<input type="checkbox"/> - Other (Please Specify) - Click here to enter text.<input type="checkbox"/> - Washington DC Special Flight Rules Area (SFRA) <p><u>Pilot Qualifications:</u></p> <ul style="list-style-type: none"><input type="checkbox"/> - Sport Pilot Certificate<input type="checkbox"/> - Recreational Pilot Certificate<input type="checkbox"/> - Commercial Pilot Certificate<input type="checkbox"/> - Flight Instructor Certificate<input type="checkbox"/> - Airline Transport Pilot Certificate <p>SOSC 03/19/2016 ver2</p>

The first line is already filled out with 'San Diego Sheriff's Department', as well as the Current COA number.

Example: Code 11 in Vista

- ▣ UAS Type: Phantom 4 and Inspire 1 w/ thermal imaging
- ▣ Date: 11/30/16
- ▣ Time 1600 - 2300 (Local Time)
- ▣ Location: City of Vista
- ▣ Altitude: SFC- 300'
- ▣ Airspace: check chart, in this case it's Class G below 700'.
- ▣ Direction from nearest airport: 5 nm from KCRQ (Palomar) on a bearing of 015 degrees.

Example: Code 11 in Vista

- ▣ Location of flight Latitude and Longitude in degrees, minutes, and seconds:

33 degrees, 12 minutes, 32 seconds N

117 degrees, 15 minutes, 00 seconds W

or $33^{\circ} 12' 32'' / 117^{\circ} 15' 00''$

9 nm from the Oceanside VOR on the 090 radial.

- ▣ There are a number of Lat / Long websites and apps for quickly determining the location. You'll need to measure airport distance and VOR radial on a chart though.

Determining the VOR radial

- ▣ There are four VOR's in the county:
 - Oceanside
 - Julian
 - Mission Bay
 - Poggi, near Chula Vista

- ▣ Use the closest one to the location and measure from the center. The radial closest to the measuring line is the radial you'll use (0-359).

Obtaining an Emergency COA

- ▣ The only issue I see with this addendum is with the pilot qualifications section; it does not list remote pilot. This addendum came out prior to Part 107 certification. As long as you have your remote pilot certificate number when asked, you will be fine.
- ▣ We may have to search a larger area, such as for a missing hiker. We'll then have to include several Lat/ Lon's forming the area we want to search. Start at the north and go clockwise.

Obtaining an Emergency COA

This forms four corners of an area to search

Ex: Lost hiker in Laguna Mountains

$32^{\circ} 52' 7'' \text{ N} / 116^{\circ} 26' 25'' \text{ W}$

$32^{\circ} 52' 7'' \text{ N} / 116^{\circ} 25' 52'' \text{ W}$

$32^{\circ} 51' 45'' \text{ N} / 116^{\circ} 25' 34'' \text{ W}$

$33^{\circ} 51' 39'' \text{ N} / 116^{\circ} 26' 25'' \text{ W}$

Obtaining an Emergency COA

- ▣ The rest is pretty self-explanatory, just fill it out as you go.
- ▣ The email address is:
9-ATOR-HQ-SOSC@faa.gov
- ▣ Our COA number is
2016-WSA-185-COA
- ▣ Call 1 202 267-8276 as soon as the email is sent, telling the person who answers you sent the email so they will check for it.

Obtaining an Emergency COA

- ▣ We'll likely be asked by an FAA representative about the nature of the operation i.e.; armed suspect in an apartment, lost hiker in the mountains, foot bail on a dangerous suspect in a urban area, nighttime compliance with lighting, and so on.
- ▣ We'll need to give as much detail as we know, the fact that it is an on-going emergency with a life or lives in jeopardy, and if it is a considerable risk to the public and law enforcement entities involved.

Obtaining an Emergency COA

- ▣ Once the request is completed, send to email address, call the phone number in Washington, and start heading to the location. We don't want to wait for confirmation; we'll get it as we go. They have our phone numbers and email addresses to contact us.